

FIG. 1A PRIOR ART

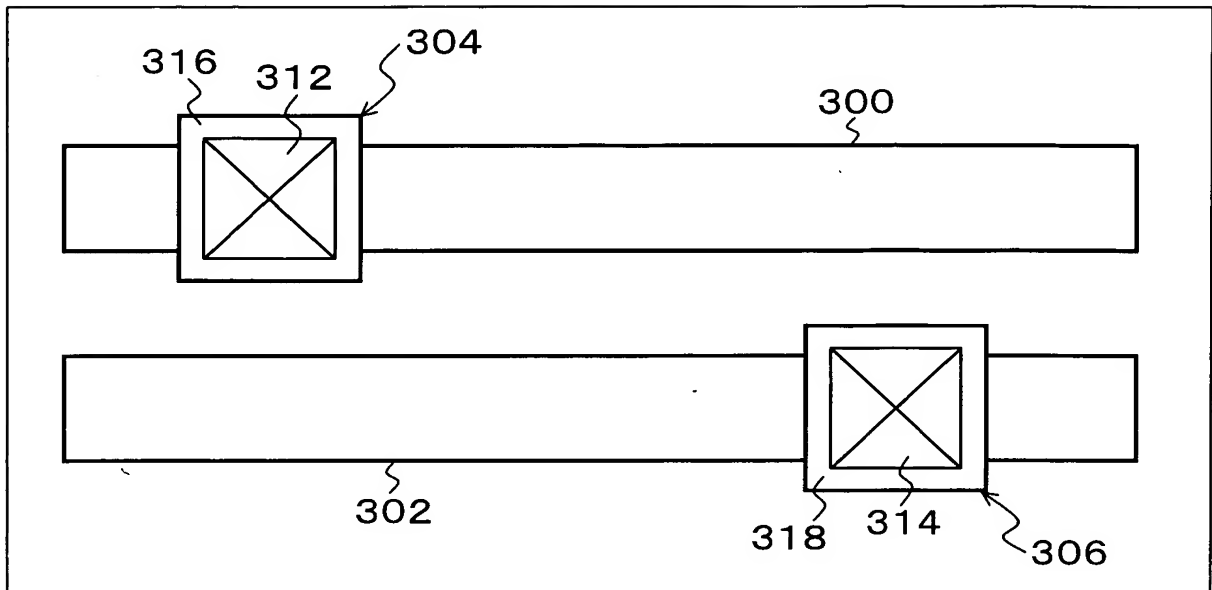


FIG. 1B PRIOR ART

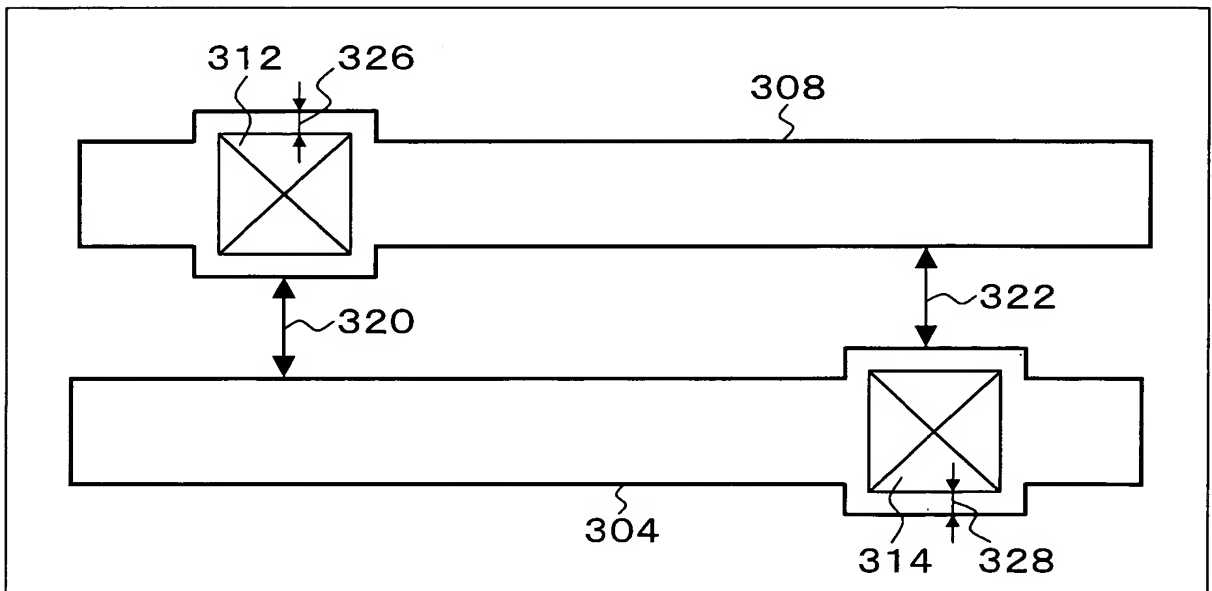


FIG. 2 PRIOR ART

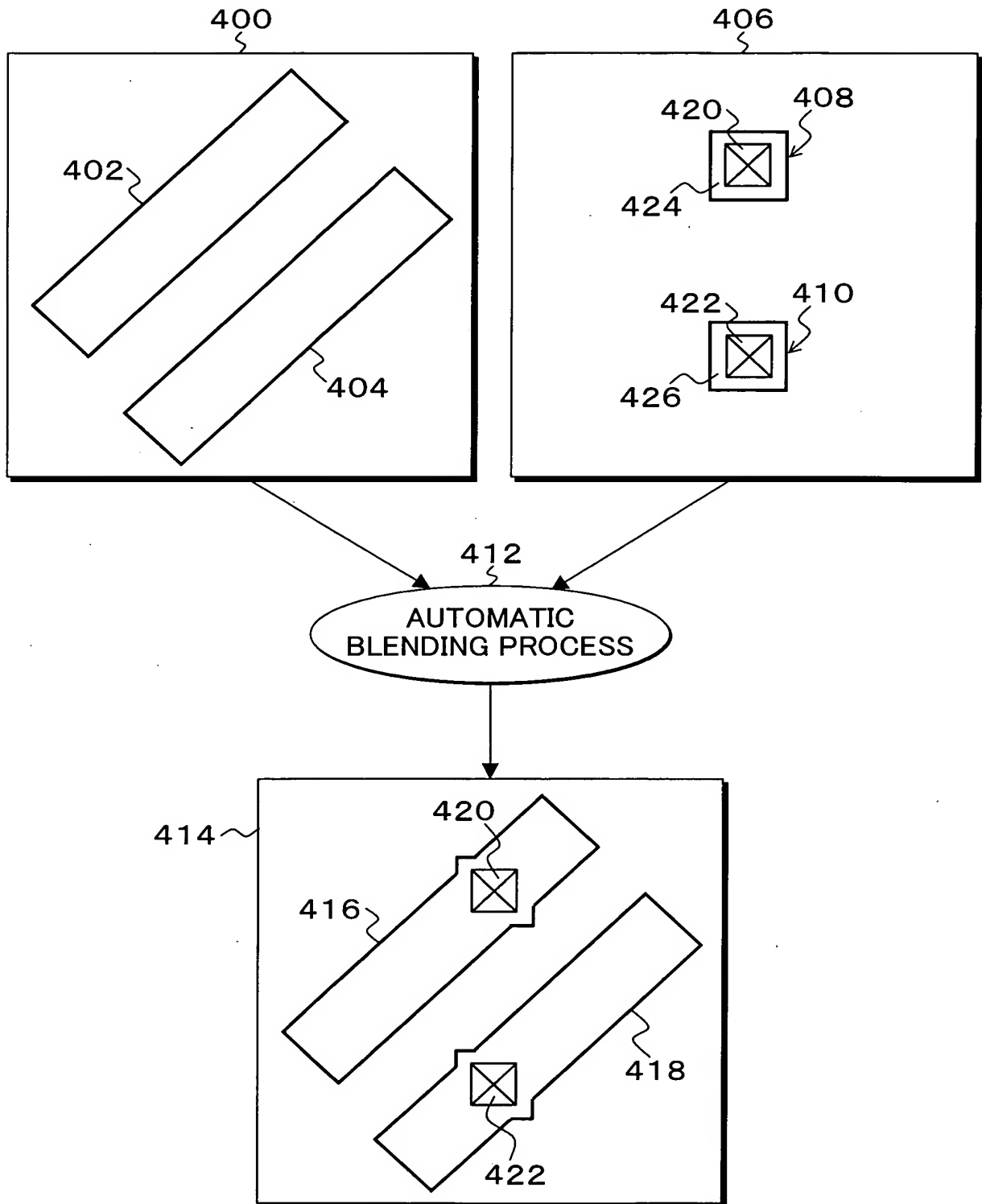


FIG. 3 PRIOR ART

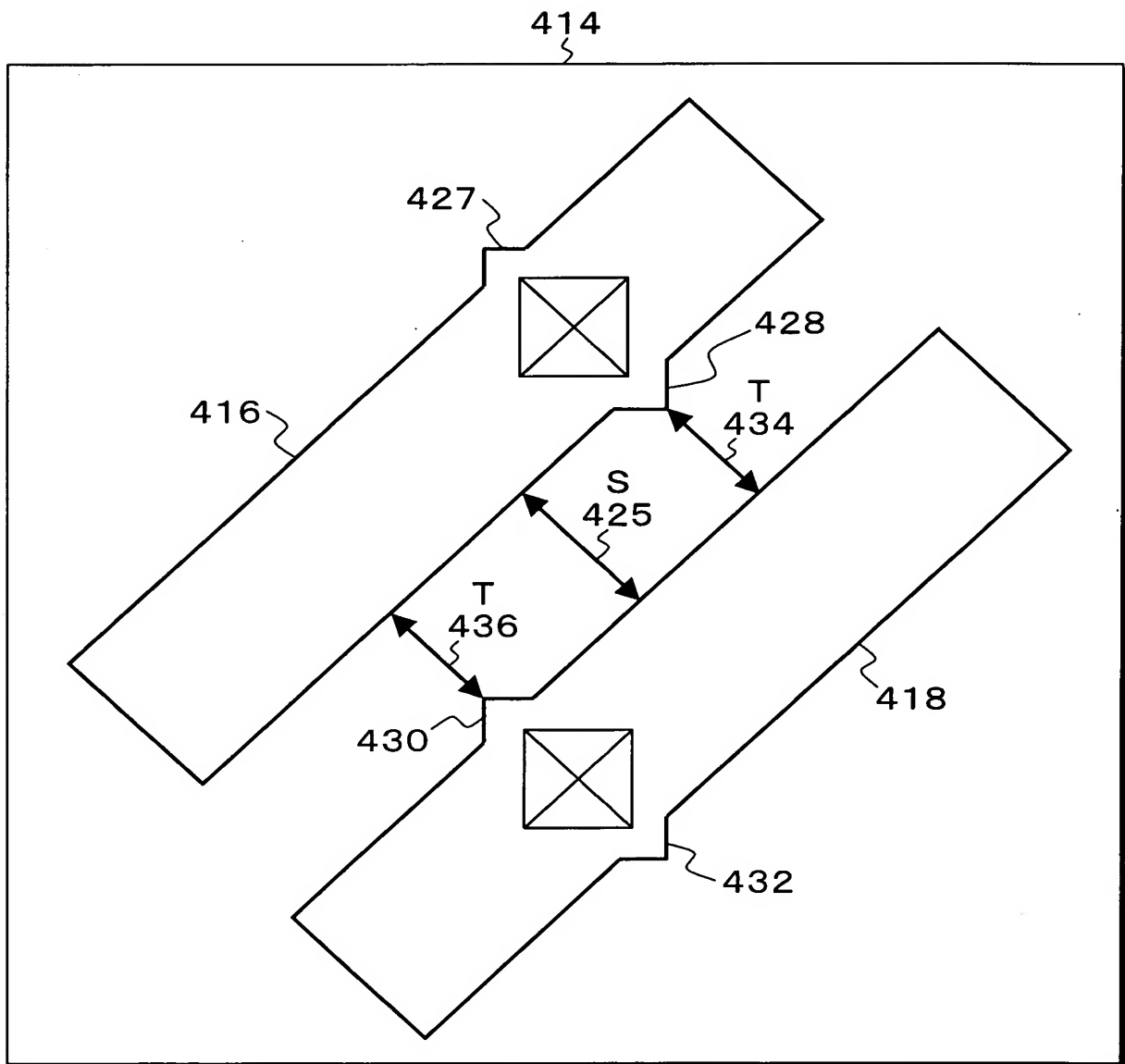


FIG. 4

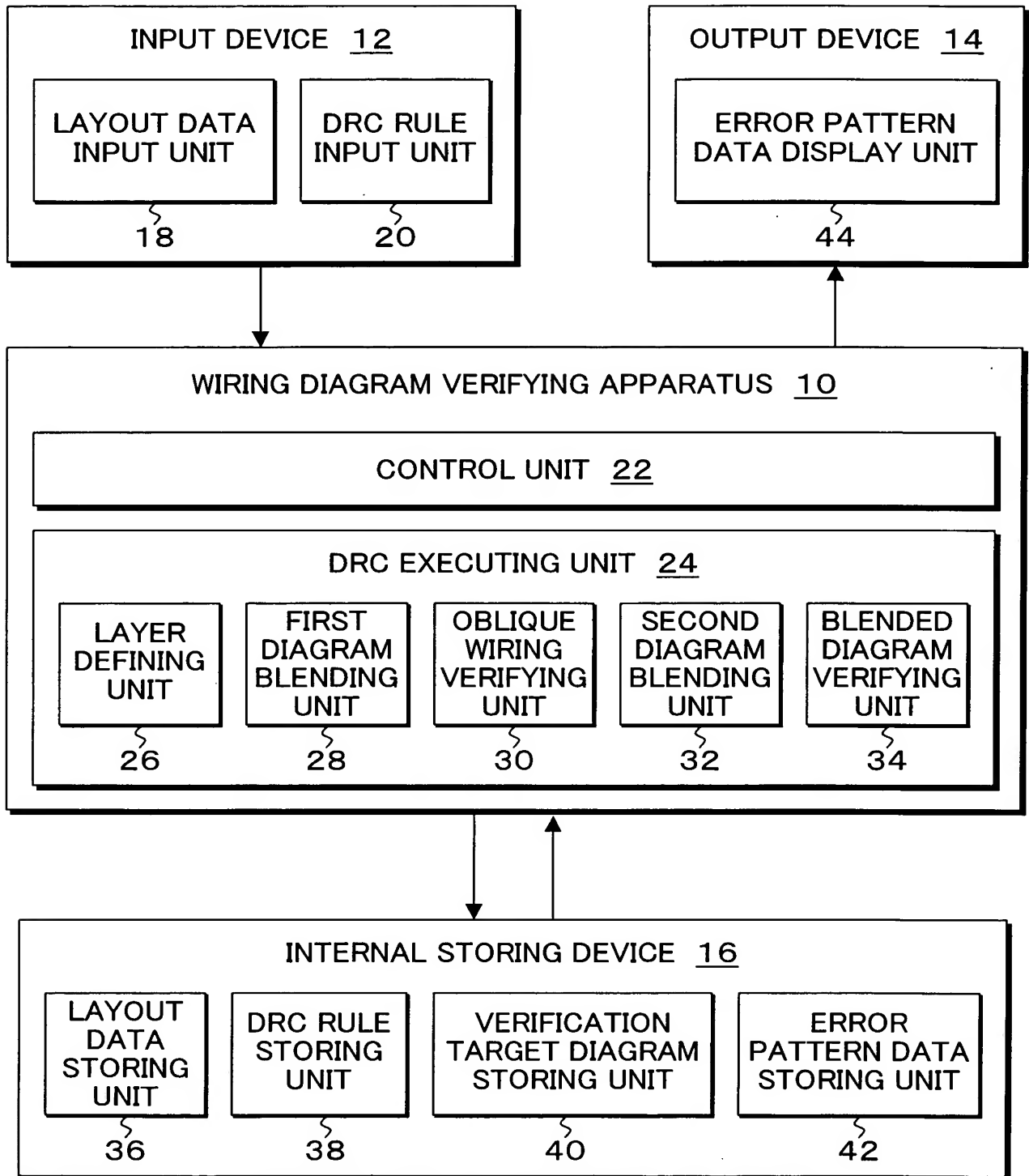


FIG. 5

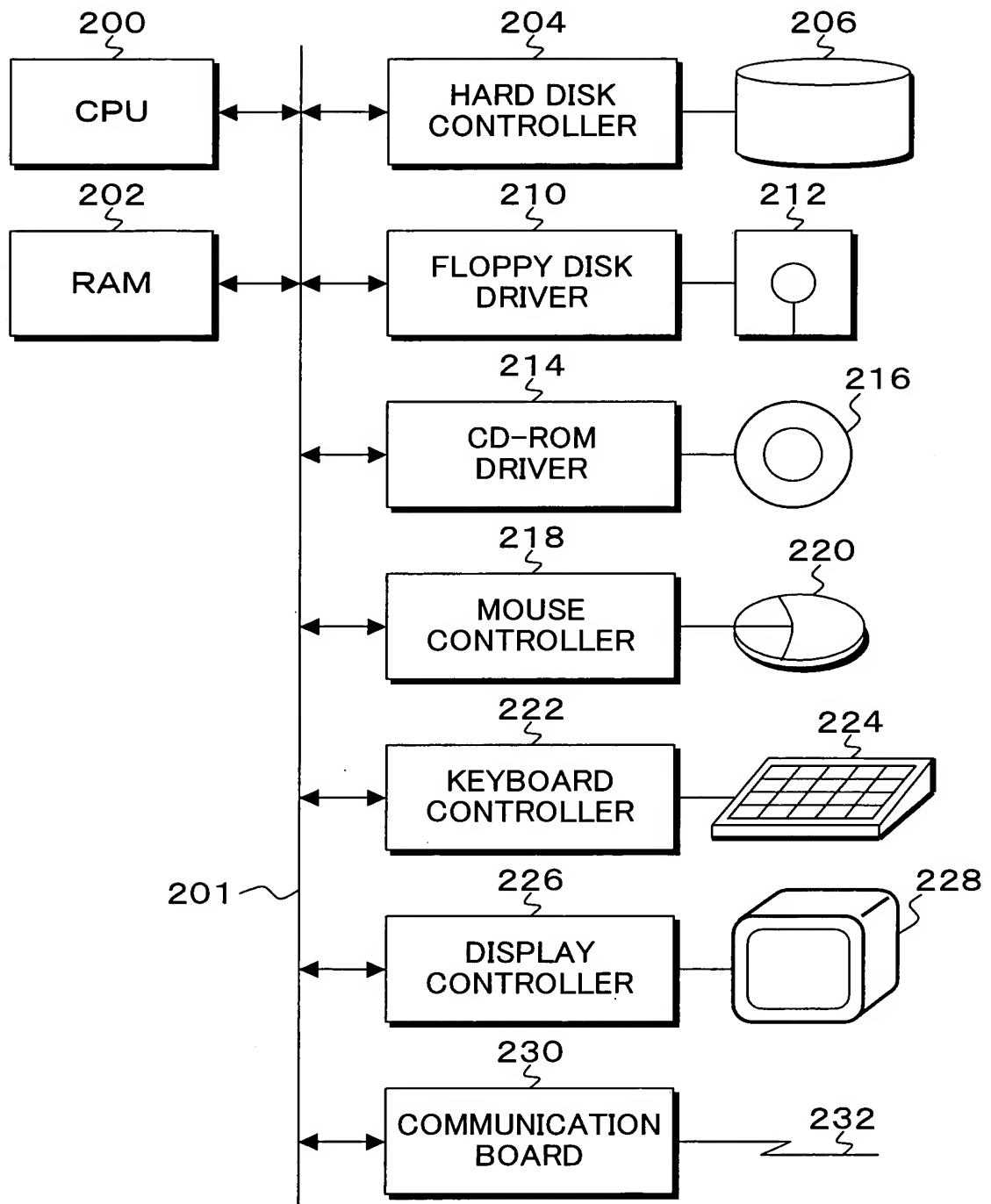


FIG. 6

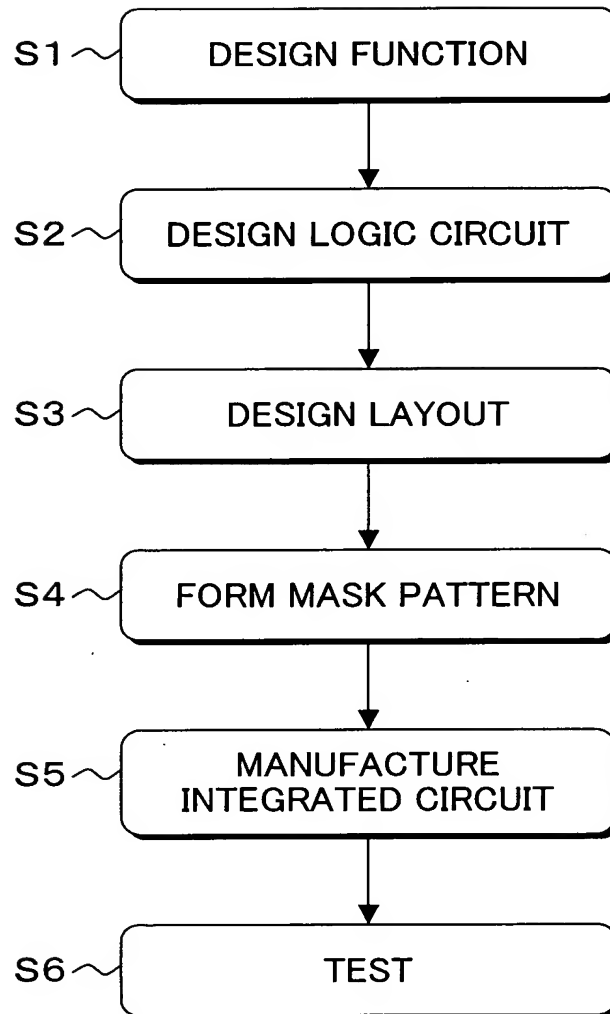


FIG. 7

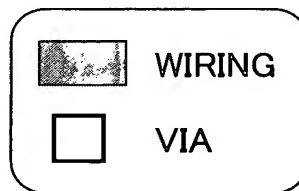
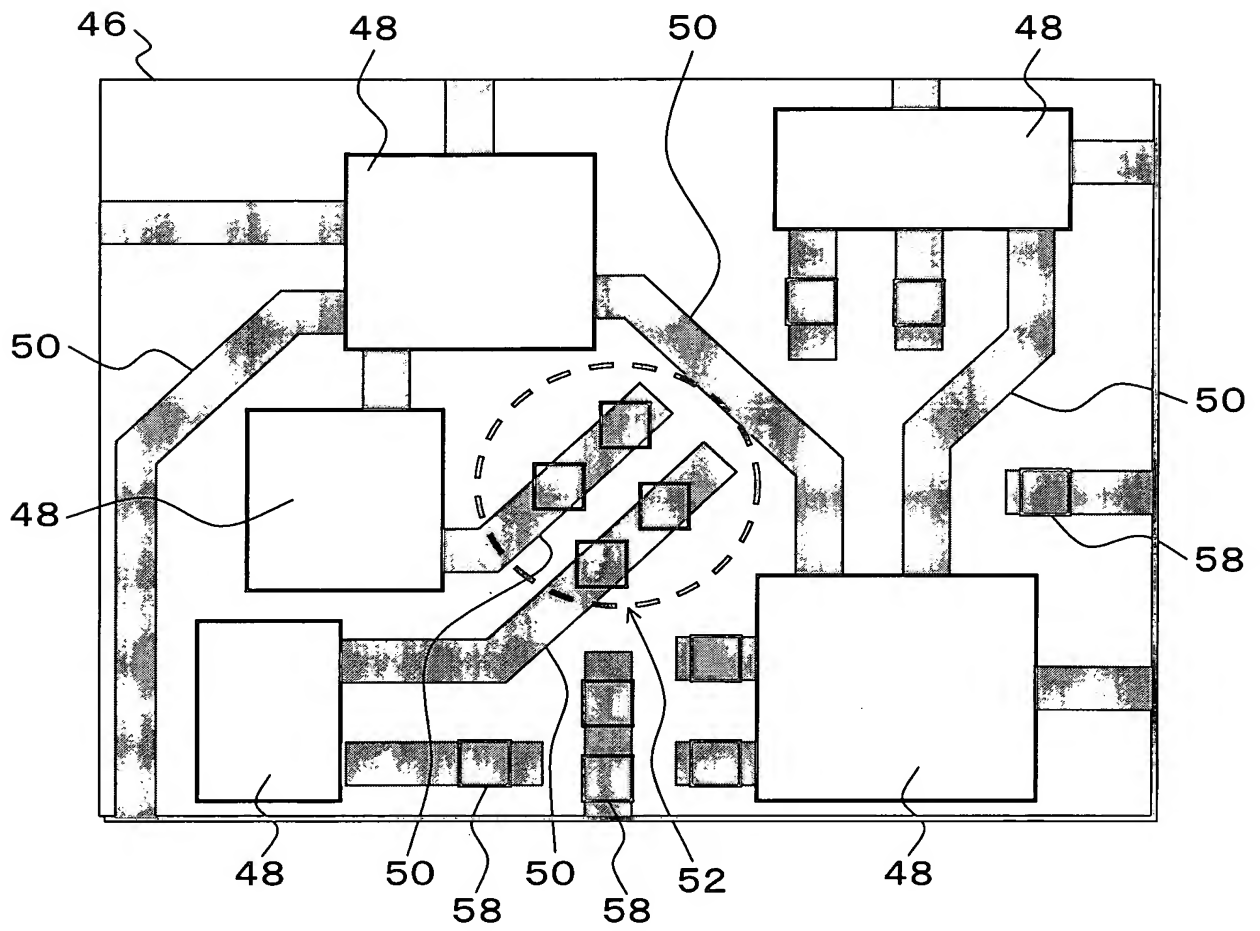


FIG. 8

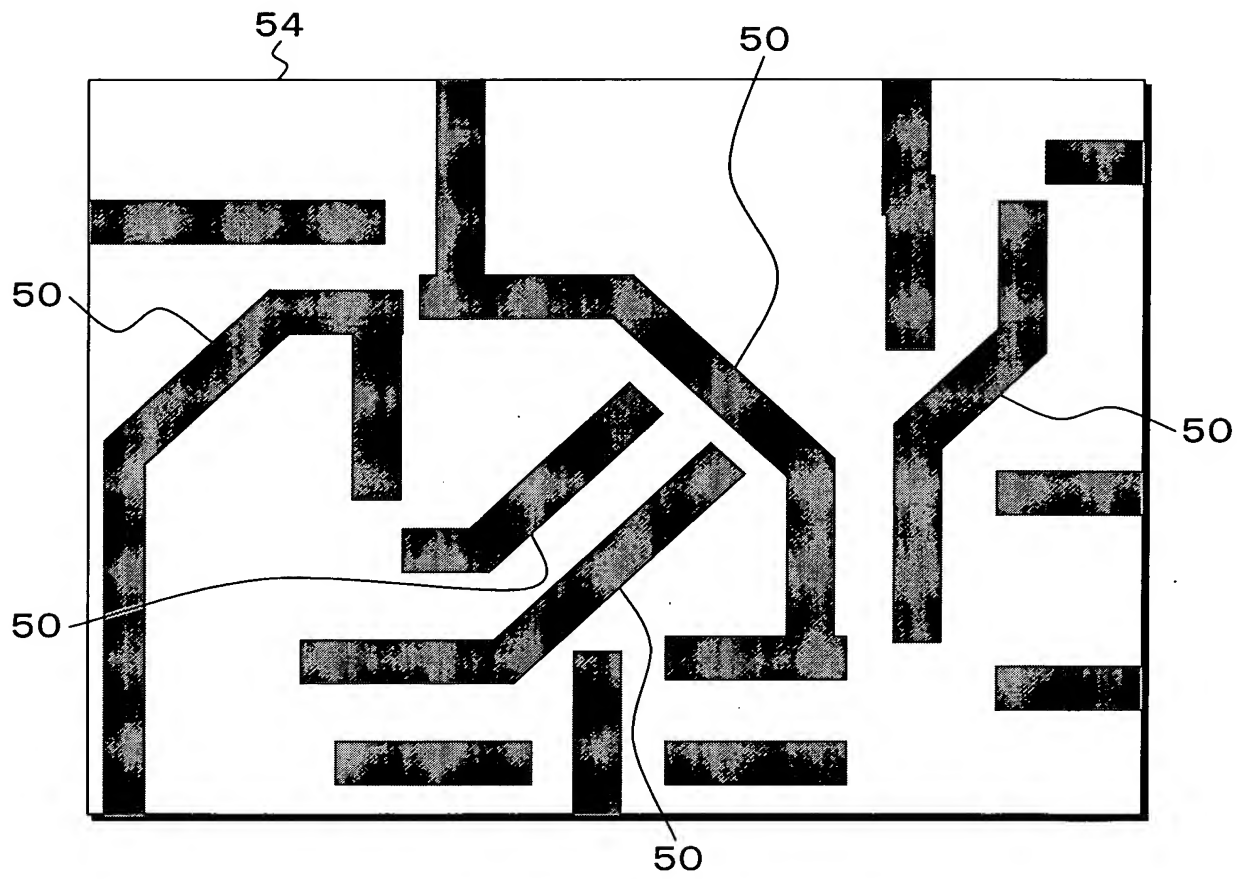


FIG. 9

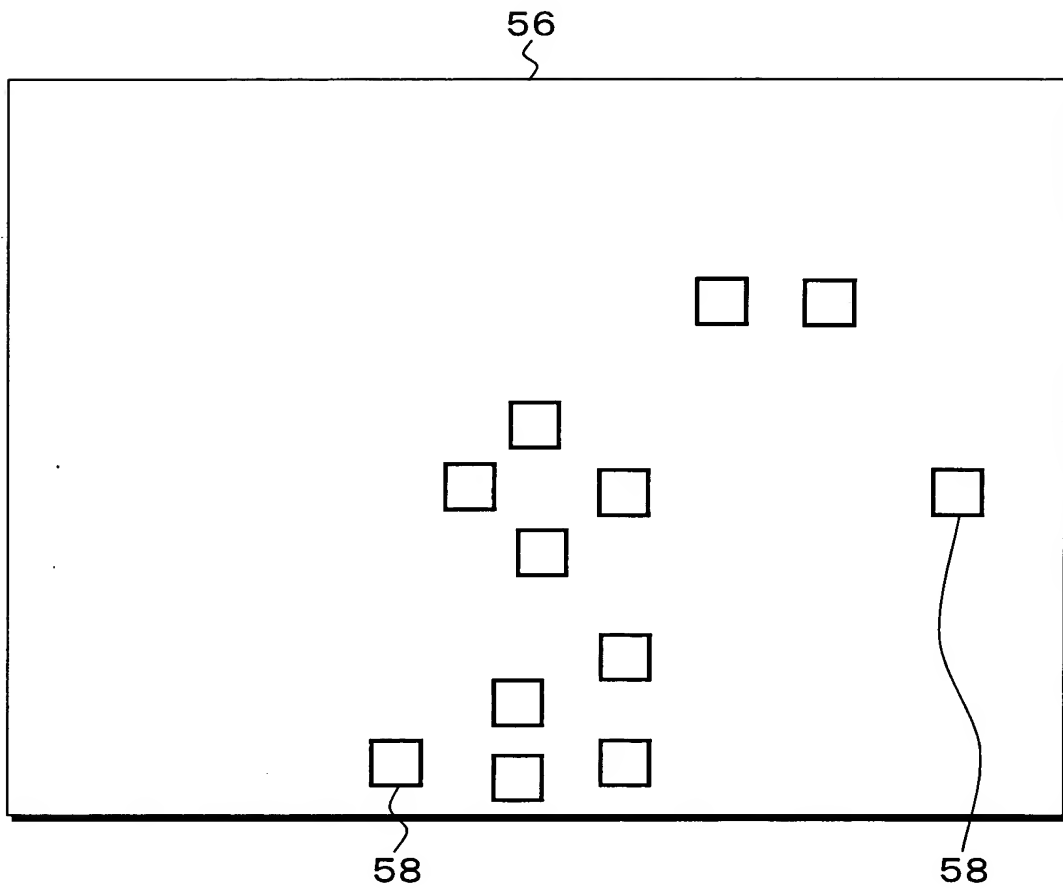


FIG. 10

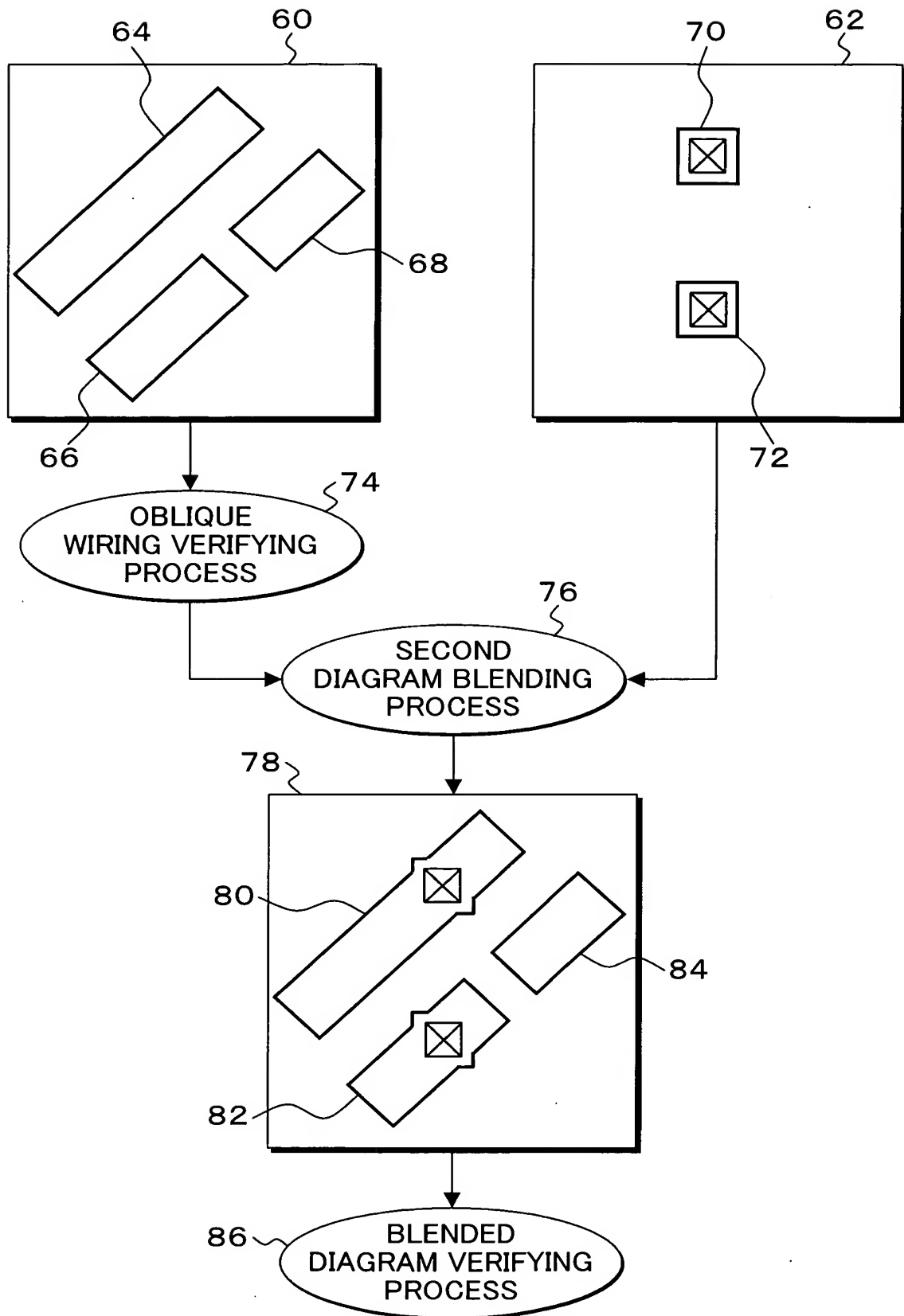


FIG. 11

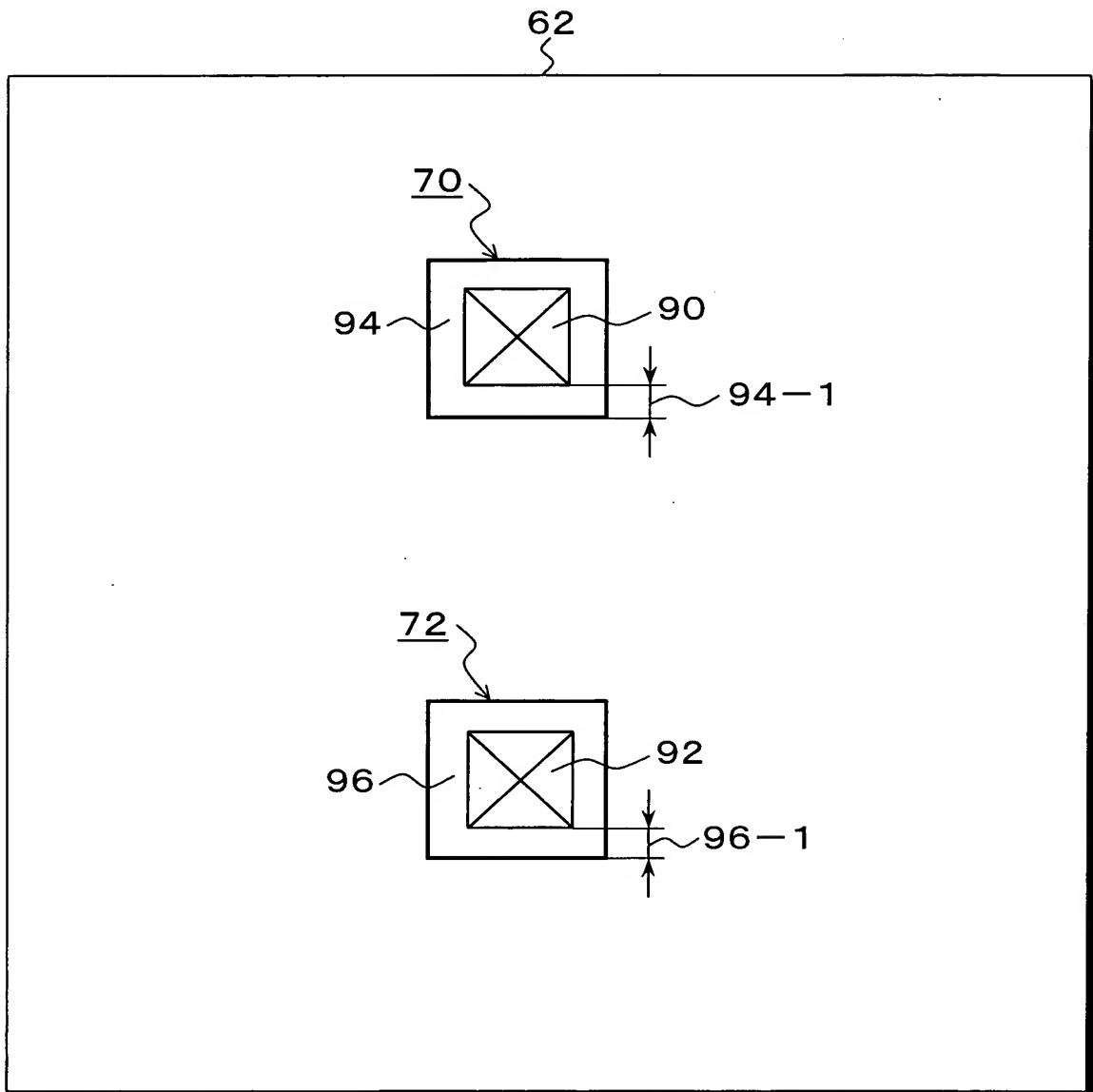


FIG. 12

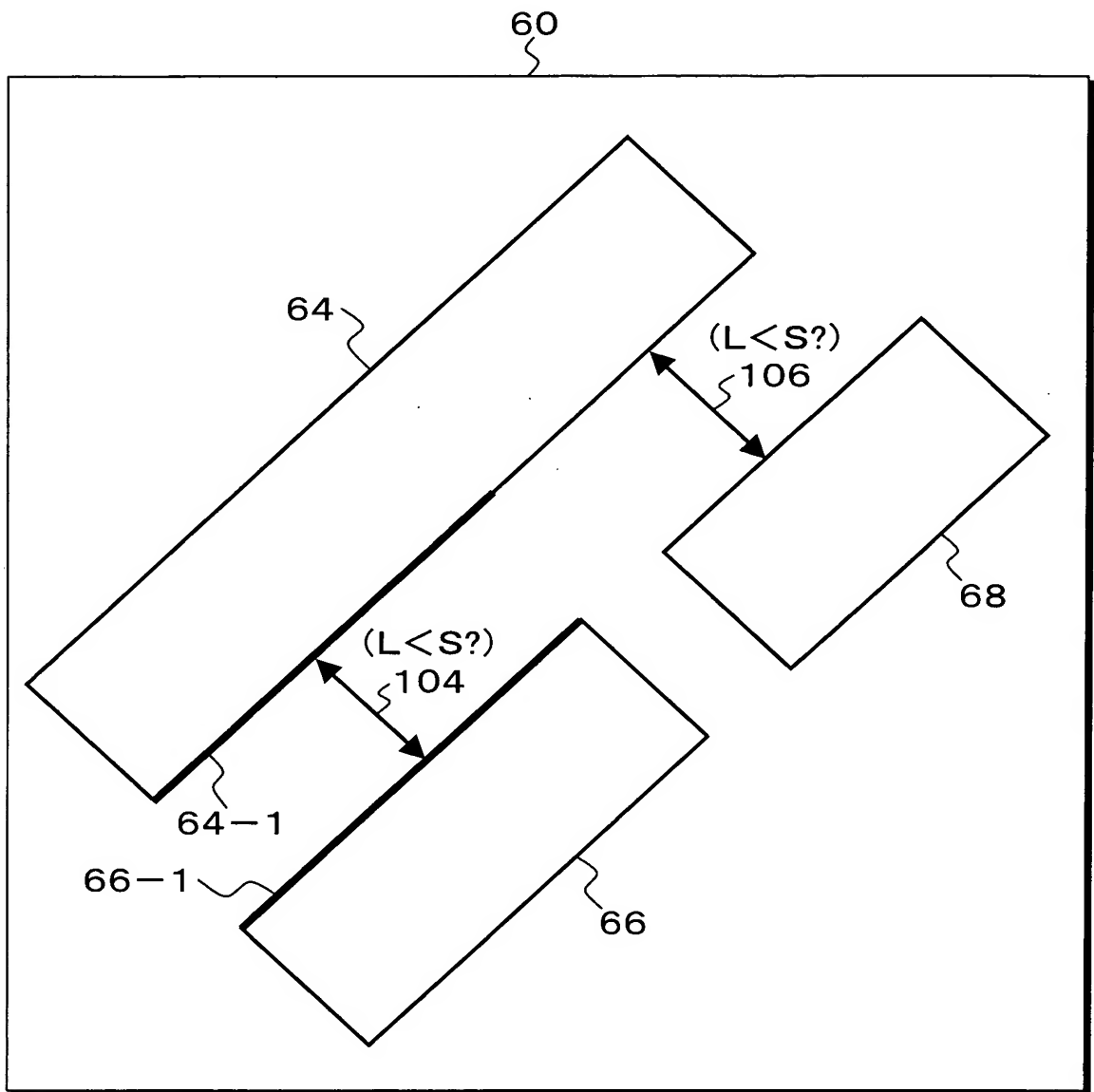


FIG. 13

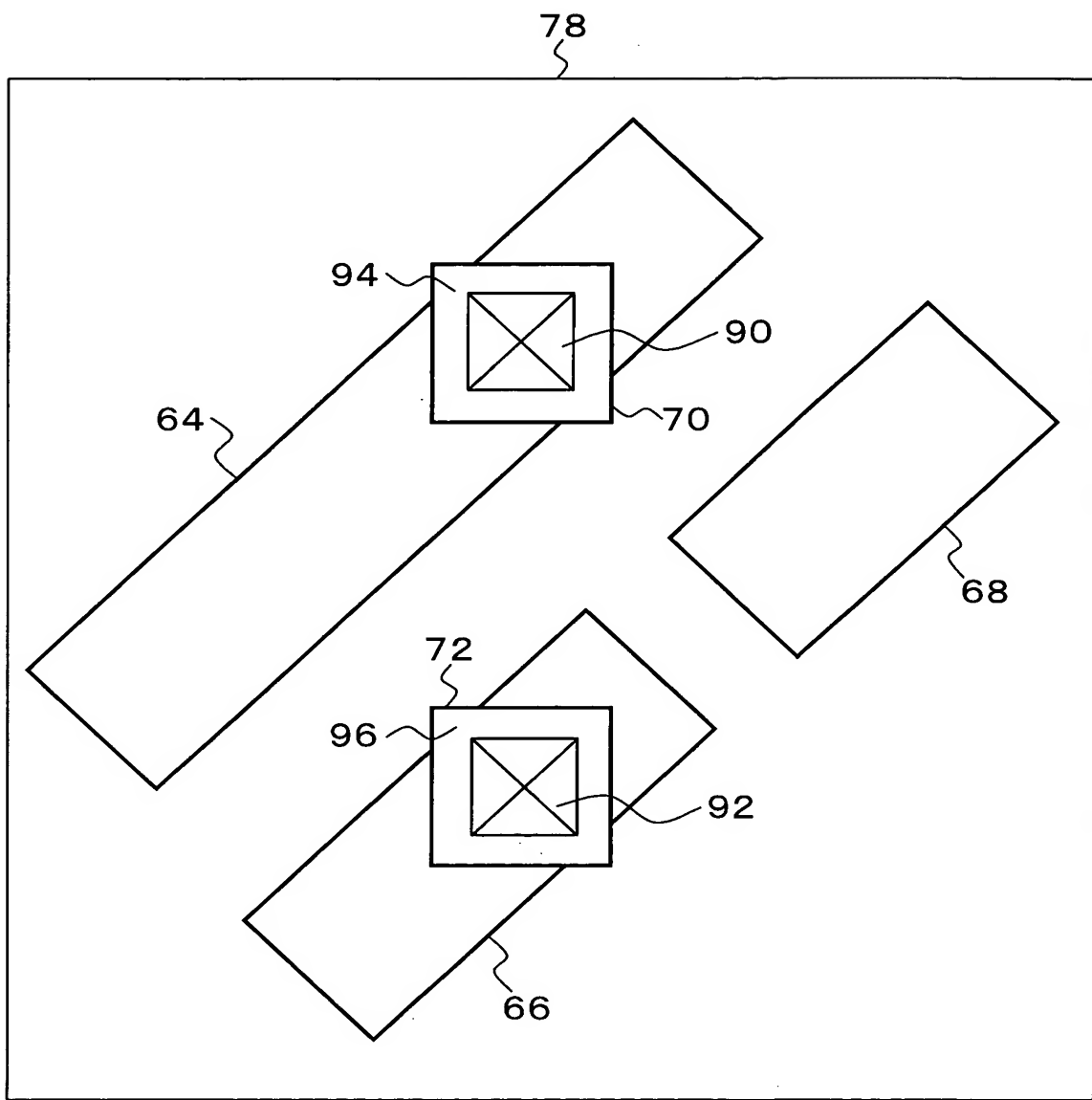


FIG. 14

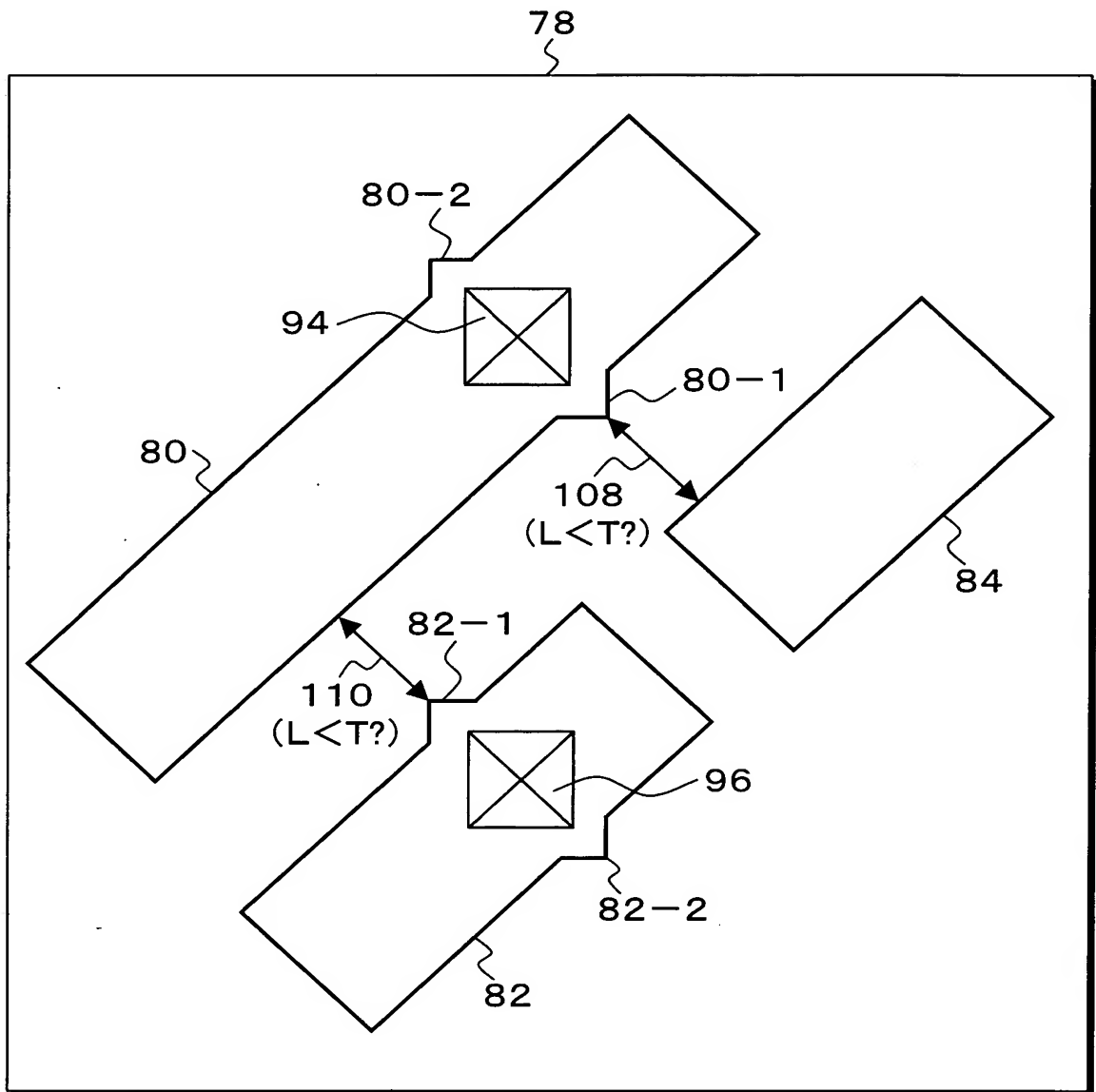


FIG. 15

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| | | | |
|-------|------------------|---|--|
| 112-1 | metal = Layer 77 | : | DEFINE LAYER NO.77 AS METAL LAYER |
| 112-2 | Z = X OR Y | : | FORM DIAGRAM Z AFTER BLENDING PROCESS OF DIAGRAM X AND DIAGRAM Y |
| 112-3 | SPACE X X < S | : | VERIFY ALLOWABLE MINIMUM INTERVAL S BETWEEN DIAGRAM X AND DIAGRAM X |
| 112-4 | SPACE X Y < T | : | VERIFY ALLOWABLE MINIMUM INTERVAL T BETWEEN DIAGRAM X AND DIAGRAM Y |

FIG. 16

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1  [DRC RULE].....
2  /**LAYER DEFINITION SENTENCES***/
3  poly = Layer 5
4  via_1 = Layer 10
5  metal_1 = Layer 11
6  via_mat = Layer 12
7  :
8  ***VERIFICATION RULES***
9  /* (1) VERIFICATION BY ALLOWABLE MINIMUM INTERVAL S*/
10 SPACE metal_1 metal_1 < S
11 /* (2) FORM A BLENDED DIAGRAM(naname) OF metal_1 AND via_mat*/
12 naname = metal_1 OR via_mat
13 /* (3) VERIFICATION BY ALLOWABLE MINIMUM INTERVAL T*/
14 SPACE metal_1 naname < T
15 SPACE metal_1 via_mat < T
16 /* IS #T<S.*/

```

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115 { 2 3 4 5 6 }

116 { 9 10 }

118 { 11 12 }

120 { 13 14 15 }

FIG. 17

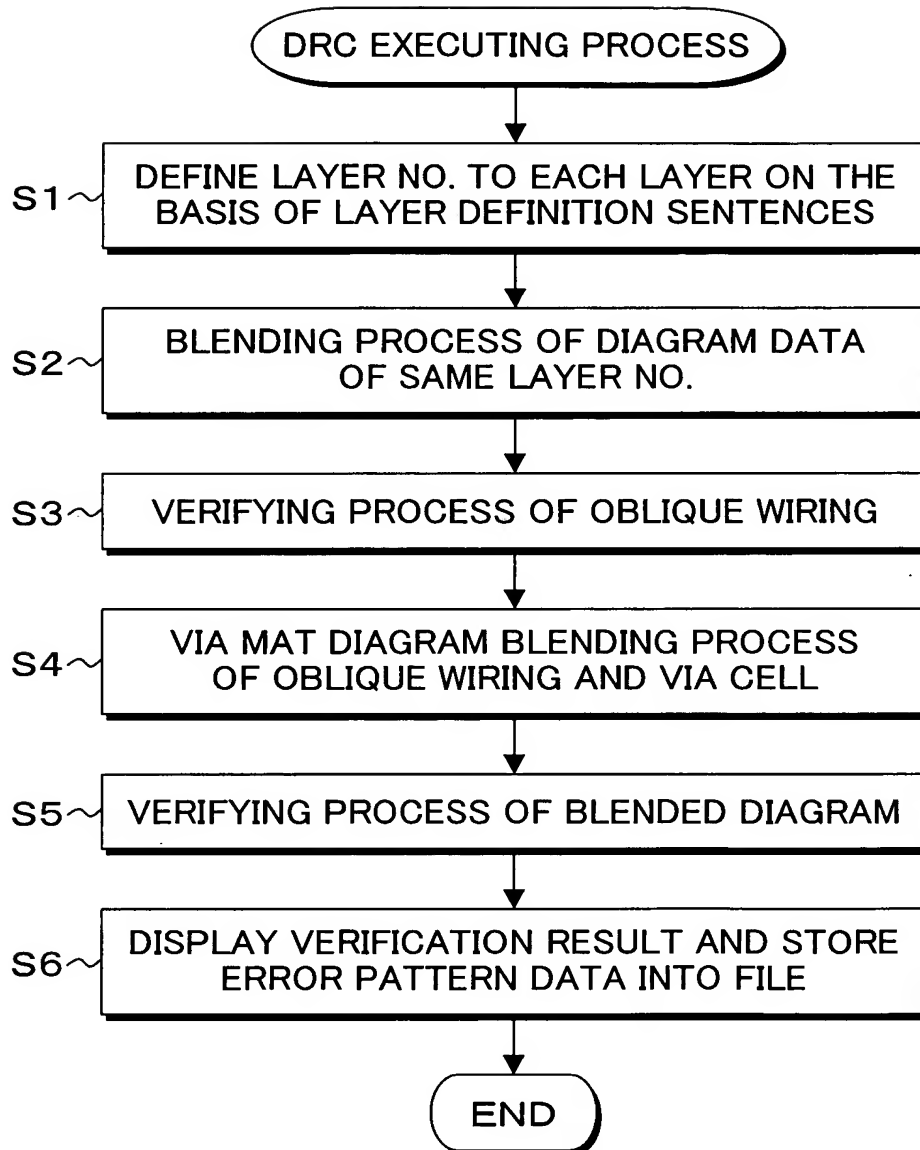


FIG. 18

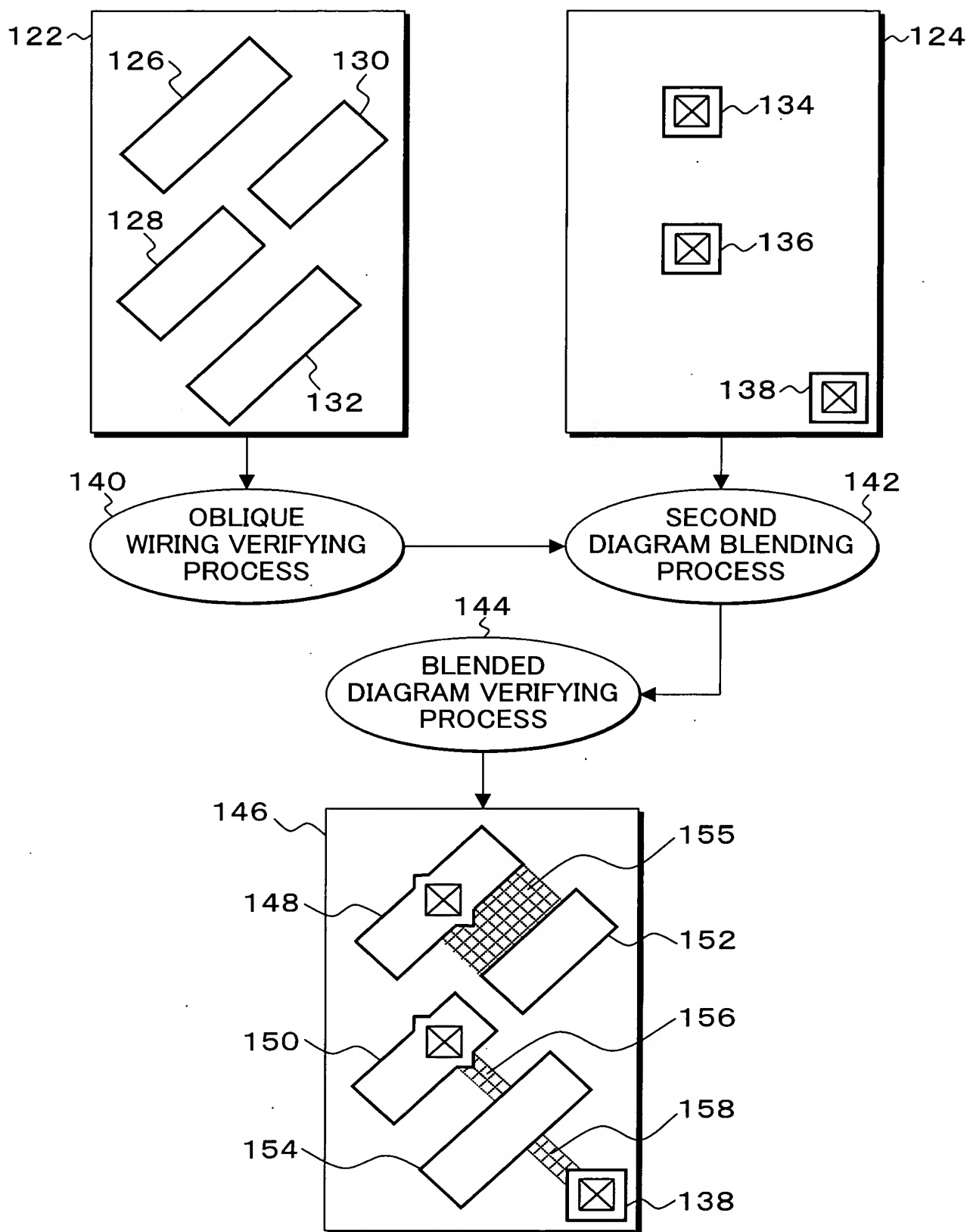


FIG. 19

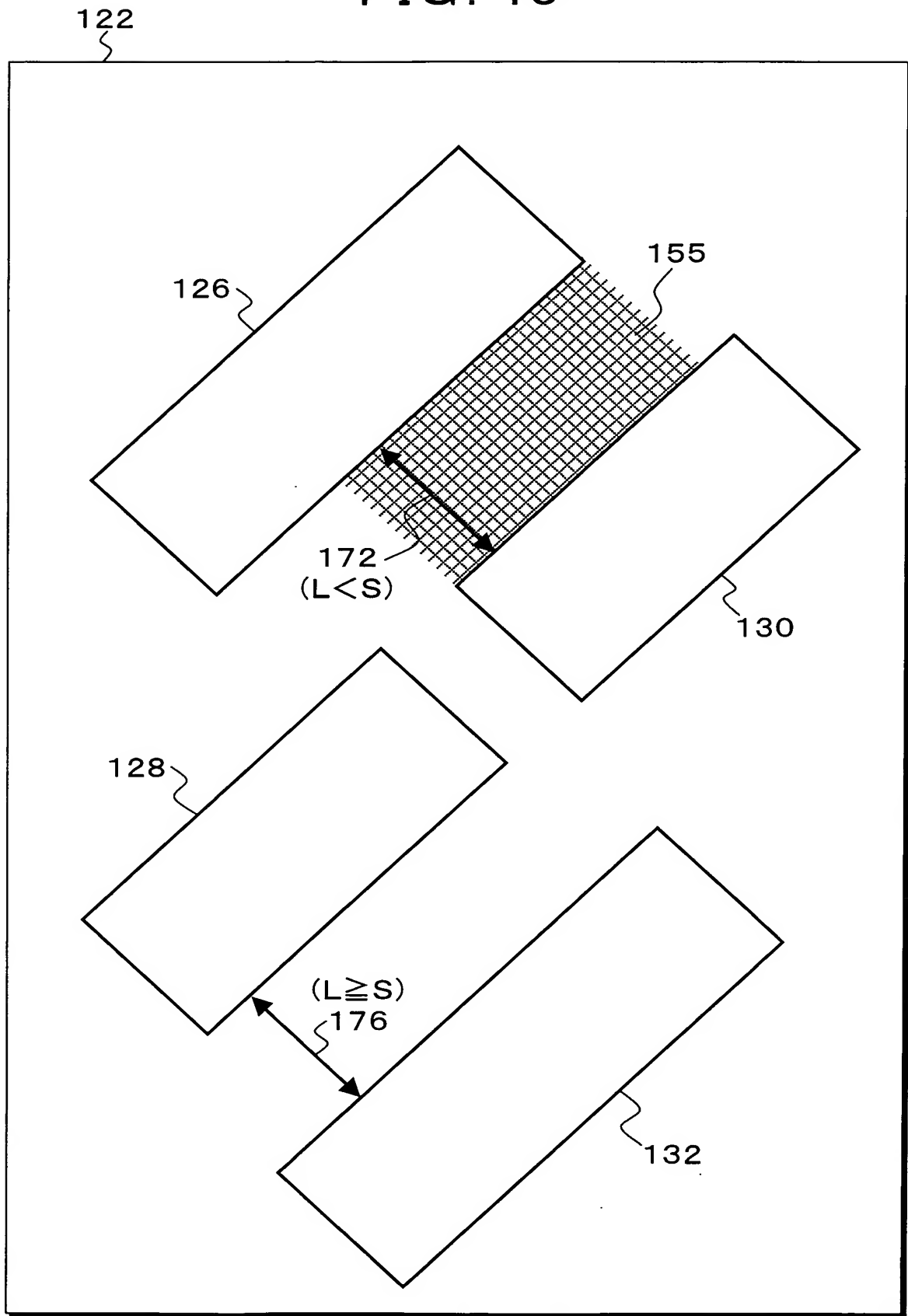


FIG. 20

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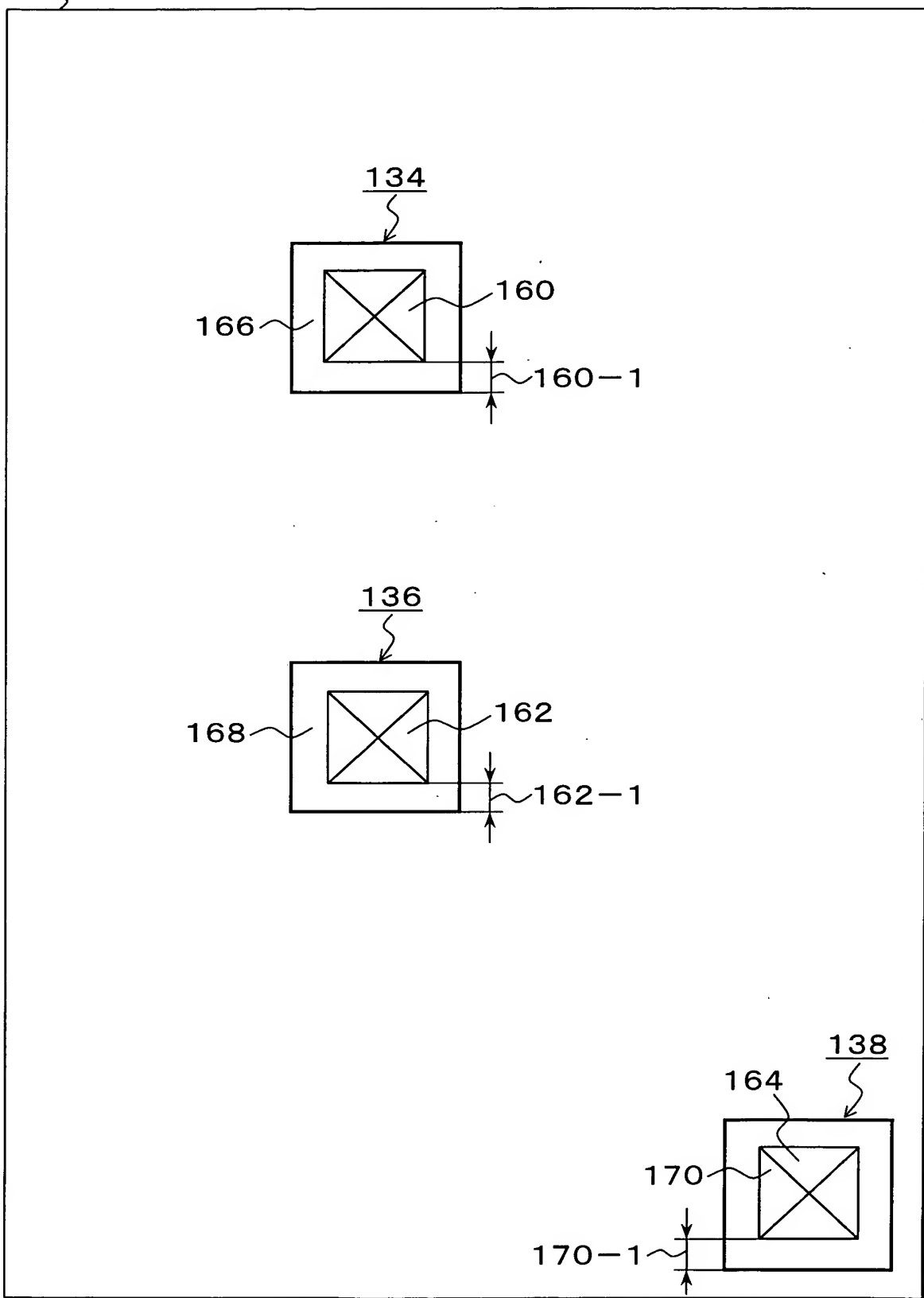


FIG. 21

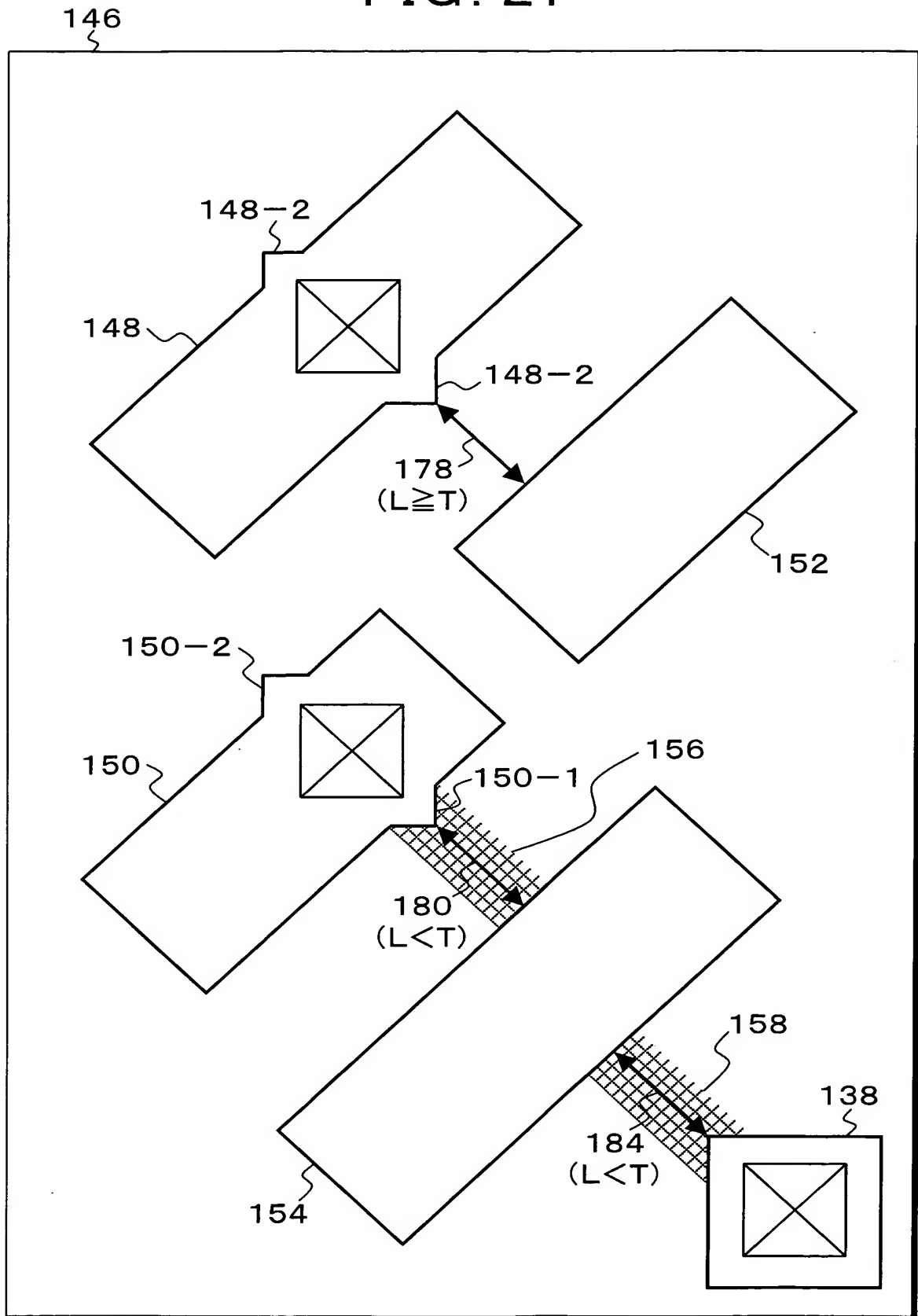


FIG. 22

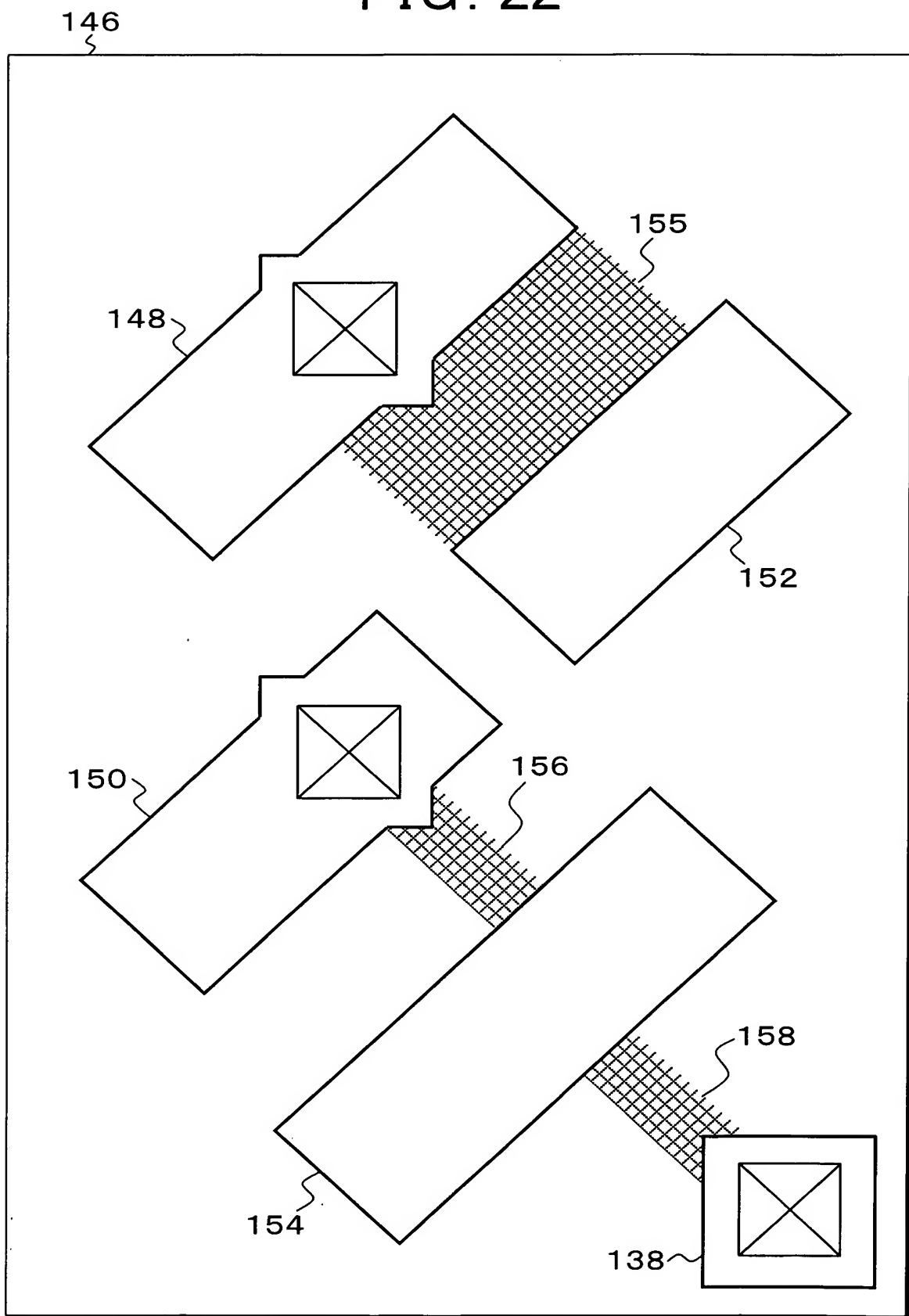


FIG. 23

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